

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the above-identified application.

Listing of Claims:

1. (Currently amended) A polynucleotide comprising:
distinct first and second transposase-interacting repeat sequence pairs, each sequence pair having a first member and a second member provided in an inverted orientation relative to the first member, each sequence pair having a specificity for binding to and interacting with a distinct transposase enzyme, the first sequence pair flanking the second sequence pair; and
a first sequence for conferring selectability upon a host cell, wherein the selectability conferring sequence is directly between members of distinct repeat sequence pairs flanked by the first member of the first sequence pair and by the first member of the second sequence pair.
2. (Original) A polynucleotide as claimed in Claim 1 wherein the first or second transposase-interacting inverted repeat sequence pair comprises Tn5 wild-type inside end sequences.
3. (Original) A polynucleotide as claimed in Claim 1 wherein the first or second transposase-interacting inverted repeat sequence pair comprises Tn5 mosaic end sequences.
4. (Original) A polynucleotide as claimed in Claim 1 wherein the first or second transposase-interacting inverted repeat sequence pair comprises Tn5 wild-type outside end sequences.
5. (Previously presented) A polynucleotide as claimed in Claim 1 further comprising between the members of the second inverted repeat sequence pair a second sequence for conferring selectability upon a host cell.

6. (Previously presented) A polynucleotide as claimed in Claim 5 further comprising, between the members of the second inverted repeat sequence pair, a polynucleotide that encodes a transposase that specifically binds to and interacts with the second sequence pair.

7. (Currently amended) A polynucleotide as claimed in Claim 6 further comprising an origin of replication ~~between the first adjacent pair of distinct inverted repeat sequences flanked by the first member of the first sequence pair and by the first member of the second sequence pair.~~

8. (Currently amended) A polynucleotide as claimed in Claim 6 further comprising a preselected polynucleotide sequence insert ~~between a second adjacent pair of distinct inverted repeat sequences flanked by the second member of the first sequence pair and by the second member of the second sequence pair.~~

9-18. (Cancelled)